



Rolling Wave #4 and IBR/EAC Kickoff

1 October 1998

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SBIRS RW #4/EAC Schedule



Task	October	November	December	January
IPT Kick Off Meetings	9/30 10/7			
SPO Training	10/8			
IMS CCB'd and EAC Assumptions Reviewed	10/15			
CAMs Prepare RW#4 & EAC Documentation	10/5 10/30			
IPT Roll-up to 4th Level (Ground to STS Level 5)		11/2 11/4		
Prelim Prog Office App'l at 3rd Level		11/4 11/10		
IPT STS Sessions *		11/10 11/25		
STS AI Closure & EAC Agreements Reached		11/30 12/11		
Program Manager to Approve IPT EAC's			12/7 12/18	
Incorporate RW#4 and EAC into PMB			12/7 1/15	
IBR Outbrief				1/27

* IPTs to schedule STS dates



Scope and Schedule



Scope

- **SBIRS High EMD CLIN 0004 and CLIN 0010 including:**
 - D6c
 - G4/G5 impact to G1-G3
 - IMCSB contract change
 - TT&C contract change

Schedule

- **All of the above changes to be CCB approved into the IMS NLT 10/15**



Ground Rules and Instructions - 1 of 3



- **Detail planning required through FY99 or logical milestone completion**
- **EAC's to be updated for all cost accounts**
 - Time phased through contract completion by quarter or month
 - Must indicate that all IMS tasks are covered
 - Data to be rolled up to the 4th* level of the WBS
 - » HOSV, SEIT, Program Office to use common spreadsheet
 - » Ground Segment to use performance system data
- **IPTs must adhere to their fiscal funding targets**
 - Targets have been updated and provided separately
- **EAC assumptions must be documented and reviewed by Program Manager by 10/15**
 - Assumptions and EAC must be consistent with updated risk mitigation plans presented by SEIT on 10/2

* Ground Segment data at the 5th level of the WBS

- **Shoulder-to-Shoulder (STS) data required for each 4th* Level WBS as follows:**
 - Top level description (WBS Dictionary)
 - Top level schedule
 - Time phased planning covering all IMS tasks
 - Split between in-house, subcontract and material dollars
 - Explanation of why EAC is the same, better, or worse than history (CPI vs TCPI)
 - Description of key risks and how they are covered in EAC
 - Documented justification (basis-of-estimate) if one or more of the following criteria are met:
 - » Cumulative CPI < 0.98 or > 1.02 and effort is > 5% complete
 - » VAC • 2%
 - » EAC > \$10M
- Note: 1) NRE must be distinguished from recurring effort**
2) Pertinent cost account performance must not be masked

* Ground Segment to STS the 5th level of the WBS



Ground Rules and Instructions - 3 of 3



- **IPTs to schedule STS sessions with SPO, DCMC and Aerospace counterparts**
 - IBR Team Membership matrix attached
- **STS agreements and sign off at 4th* level of the WBS for all EAC's**
- **Program Manager approval required**
 - IPTs to summarize data at each 3rd level WBS
 - Impact to Funding Scorecard must be analyzed and approved
 - Program Manager maintains the right to challenge any EAC



IBR Team Membership - 1 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
0000	SBIRS High Component	Tony Tuffo		(408) 742-3732	Col. Gomez
1XXX	High Orbit Space Vehicle	Bob Baker		(408) 742-0802	Lt. Col. Rosensteel
11XX	Integr,Assy,Test & Check (IAT&C)	Dave Parsons		(408) 743-7072	Capt. Toso
1110	HOSV Management & Bus Ops		John Finneran	(408) 743-0098	Capt. Toso
1120	HOSV Specialty Engineering		Jon Burgess	(408) 756-4678	Capt. Toso
1130	Design Integration		Bruce Steakley	(408) 743-0151	Capt. Toso
1140	Assembly & Test		Alan Brown	(408) 742-2757	Capt. Toso
1150	Payload Subcontract Management		Bruce Steakley	(408) 743-0151	Maj. McMurry
12XX	GEO Payload	Sabby Sabnis		(626) 812-2110	Maj. McMurry
1210	Payload IAT&C		Terry O'Brien	(626) 812-2129	Maj. McMurry
1220	Optical Telescope		Phil Simpson	(626) 812-1166	Lt. Hunt
1230	Pointing & Control		Mike Roller	(408) 742-4576	Capt. Hughes
1240	Focal Plane Assembly		Rick Ross	(410) 765-3126	Lt. Hunt
1250	Thermal Control Subsystem		Dave Wilson	(626) 812-1728	Lt. Hunt
1260	Signal Processing Assembly		Mark Loring	(626) 812-8248	Capt. Hughes
1270	Power & Signal Distribution System		John Voboril	(626) 812-1716	Capt. Hughes
13XX	GEO Spacecraft	Paul McDonald		(408) 756-2738	Capt. Cruciani
1310	Spacecraft Bus Ops		John Finneran	(408) 743-0098	Capt. Cruciani
1320	Structures & Mechanisms		Bob Gardner	(408) 743-2184	Capt. Cruciani
1330	Thermal Control		Jeff Fetherolf	(408) 743-7090	Capt. Cruciani
1340	Electrical Power		Ray Murdock	(408) 743-7227	Capt. Cruciani
1350	Guidance, Navigation & Control		Steve Wolff	(408) 756-0994	Capt. Cruciani
1360	Flight Software		Rod Gibb	(408) 756-1292	Capt. Cruciani
1370	Command & Data Handling		Lou Deaton	(408) 742-8236	Capt. Cruciani
1380	Communications Products		Taffy Curtin	(215) 497-4161	Capt. Cruciani
1390	Propulsion		Gary Stevenson	(408) 743-7133	Capt. Cruciani



IBR Team Membership - 2 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
14XX	HEO Payload	Sabby Sabnis		(626) 812-2110	Maj. McMurry
1410	Payload IAT&C		Terry O'Brien	(626) 812-2129	Maj. McMurry
1420	Optical Telescope		Phil Simpson	(626) 812-1166	Lt. Hunt
1430	Pointing & Control		Mike Roller	(408) 742-4576	Capt. Hughes
1440	Focal Plane Assembly		Rick Ross	(410) 765-3126	Lt. Hunt
1450	Thermal Control Subsystem		Dave Wilson	(626) 812-1728	Lt. Hunt
1460	Signal Processing Assembly		Mark Loring	(626) 812-8248	Capt. Hughes
1470	Power & Signal Distribution System		John Voboril	(626) 812-1716	Capt. Hughes
A300	HOSV Flight S/W DME & Data		Dave Parsons	(408) 743-7072	Capt. Toso
E100	Planning & Preparation		Dave Parsons	(408) 743-7072	Capt. Toso
E300	Transfer & Transportation		Dave Parsons	(408) 743-7072	Capt. Toso



IBR Team Membership - 3 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
3XXX	Grd Cmd,Cntrl,Comm & Mssn Eq	Colleen McFadden		(303) 581-4428	Lt. Col. Vanderpoorten
3110	Business Ops		Watkins	(303) 581-4835	Schaub(I1)/Wallace(I2)
3120	Seg Engineering		Kile	(303) 581-4385	Schaub(I1)/Wallace(I2)
3130	ILS Spec Engineering		Kile	(303) 581-4385	King
3140	Seg I&T		Marques	(303) 581-4424	Schaub(I1)/Wallace(I2)
3150	CDF		Marques	(303) 581-4424	Schaub(I1)/Wallace(I2)
3210	MCS IAT&C		Packard	(303) 581-4342	Schaub(I1)/Wallace(I2)
3220	MCS Equipment		Kramer	(303) 581-4518	Schaub(I1)/Wallace(I2)
3230	TT&C SI		Clary	(303) 581-4594	Schaub(I1)/Wallace(I2)
3240	Mission Proc		Catuara	(626) 812-1463	Schaub(I1)/Wallace(I2)
3250	Mission Mgmt SI		Carpenter	(303) 581-4473	Schaub(I1)/Wallace(I2)
3260	SVS INFRA SI		Gibson	(303) 581-4302	Schaub(I1)/Wallace(I2)
3300	MCS-B		Packard	(303) 581-4342	Schaub(I1)/Wallace(I2)
3400	Surv Backup		Bloom	(303) 581-4388	Schaub(I1)/Wallace(I2)
3510	RGS IAT&C		Fred Burgess	(303) 581-4240	Schaub(I1)/Wallace(I2)
3520	RGS Equipment		Fred Burgess	(303) 581-4240	Schaub(I1)/Wallace(I2)
3530	RGS Antenna		Fred Burgess	(303) 581-4240	Schaub(I1)/Wallace(I2)
3600	RT		Hinds	(303) 581-4448	McKay



IBR Team Membership - 4 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
6100	Tech Pubs		Kile	(303) 581-4385	King
8000	CSI		Marques	(303) 581-4424	King
9100	MCS/MCSB Spares		Kile	(303) 581-4385	King
9200	RGS Spares		Fred Burgess	(303) 581-4240	King
A100	SW DP Depot		Kile	(303) 581-4385	King
B100	Training Equipment		Barrios	(303) 581-4566	King
B200	Training Services		Barrios	(303) 581-4566	King
B300	Training Facilities		Barrios	(303) 581-4566	King
D110	Site Activation		Bloom	(303) 581-4388	King
D120	MCS Facility/Activation		Bloom	(303) 581-4388	King
D130	RGS Facility/Activation		Fred Burgess	(303) 581-4240	King
D200	P-Ops Support LMFSC		Kile	(303) 581-4385	King



IBR Team Membership - 5 of 5



WBS	Description	IPT Lead	CAM	CAM Phone #	SPO Counterpart
41XX	System Engineering	Mark Crowley		(408) 756-0969	Maj. Watson
4110	Management & Business Operations		Julie Foster	(408) 743-7387	Maj. Watson
4120	Software Process Management		Tom Kelley	(303) 581-4226	Maj. Wallace
4130	Reqmts, Analysis, Alloc & Verif		Chris King	(408) 742-2002	Maj. Chang/Mr. Markle
4140	Sys & Mssn Afford/Util Analysis		Theresa Ito	(408) 742-6246	Maj. Scruggs
4150	Systems Integration		Gary Montgomery	(408) 743-1815	Lt. Col. Stephen
	Systems I/F & Transition		Les Nelson	(719) 550-2246	Maj. Falkenstein
4160	Specialty Engineering		Jon Burgess	(408) 756-4678	Maj. Bob King
4170	Integrated Logistics Support		Jon Burgess	(408) 756-4678	Maj. Bob King
4180	Launch System Integration		Gary Montgomery	(408) 743-1815	Capt. Toso/Capt. Cruciani
4300	Tot Sys Perf Responsibility (TSPR)		Dave Chisessi	(408) 743-2183	Maj. Watson
5100	Sys Dev Test & Evaluation (DT&E)		Mike Byrne	(408) 742-3855	Mr. Masternak
C100	Launch Operations		Mike Byrne	(408) 742-3855	Capt. Toso/Capt. Cruciani
C200	Flight Operations Support		Mike Byrne	(408) 742-3855	Capt. Toso/Capt. Cruciani
42XX	Program Management	Kent Haeger		(408) 742-0584	Lt Col. Stephen
42XX	Program Management		Reneé Cintas	(408) 756-2158	Lt. Grant
4230	EDAMS		Rick Smith	(408) 742-5459	Mr. Tatum
6200	Engrg, Mgmt & Sppt Data		Reneé Cintas	(408) 756-2158	Lt. Grant